

QMS Training



Network Concepts Correspondence Course

FINAL EXAM

Student Name _____

QMS Area _____ QMS Region _____

Administered by _____ Date _____

Return to QMS Training for grading.

Graded by _____ Date _____

Score _____ correct out of _____ = _____ %

NETWORK CONCEPTS

This test consists of twenty items. Each item is worth 5 points; a score of 18 out of 20 (90%) is required to pass. Circle or write in the correct response as appropriate. You may use the course material as a reference. You have 45 minutes to complete this test; when completed, return it to QMS Training for scoring.

1. **True** or **False**? Baud rate is always equal to bits per second.
2. **True** or **False**? The ACK signal from the Centronics interface is usually tied into one of the computer's hardware interrupt lines.
3. **True** or **False**? One of the primary reasons for networks is so resources can be shared.
4. **True** or **False**? It is the responsibility of the NOS to provide accounting services and security for the network resources.
5. **True** or **False**? Data enveloping is the process of attaching headers to the message as it is passed down the protocol stack.
6. **True** or **False**? Repeaters cut down on network traffic.
7. **Single ended** or **Double ended** transmission lines have a greater resistance to noise.
8. A **parallel** or **serial** interface is best for long distance data transmission.
9. A **Peer-to-Peer** or a **Client/Server** network has computers dedicated to act as file, database, communications, etc. servers.
10. A **Local Area Network** or a **Wide Area Network** does not use common carriers circuits, therefore, is limited to a small geographical area.
11. The **Modem cables** or **Null-modem cables** are used to connect two DTE's directly together.
12. What is defined as data transmissions in both directions but only one direction at a time?

13. In asynchronous serial transmission, data words are usually _____ to _____ bits wide.
14. List the three types of network topologies.

FINAL EXAM

15. What type of digital modulation has the least resistance to noise?

- A. ASK
- B. FSK
- C. BPSK
- D. None of the above

16. Which of the following transmission media has the highest immunity to noise?

- A. Twisted-pair
- B. Coaxial Cable
- C. Fiber Optic Cable

17. Which of the following access methods can cause collisions? (choose all that apply)

- A. Token Passing
- B. CSMA/CA
- C. CSMA/CD

18. Which of the following is a LAN interconnecting device which works at the Network Layer of the OSI model?

- A. Repeater
- B. Bridge
- C. Router
- D. Gateway

19. Which of the following networks breaks into packets. The path that each packet takes to the destination is independent of the path any other packet takes?

- A. Circuit Switching
- B. Packet Switching
- C. Message Switching
- D. Virtual Call Switching

20. Which of the following communication technologies are digital based? (choose all that apply)

- A. Sub-voice
- B. Voice grade lines
- C. ISDN
- D. FDDI

END OF TEST